

Appendix F

Porosity on cross-section macrographs of the V-groove wet welds

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F.1 Microstructures of the bead-on-plate wet welds

F.1.1 On A36 Steel

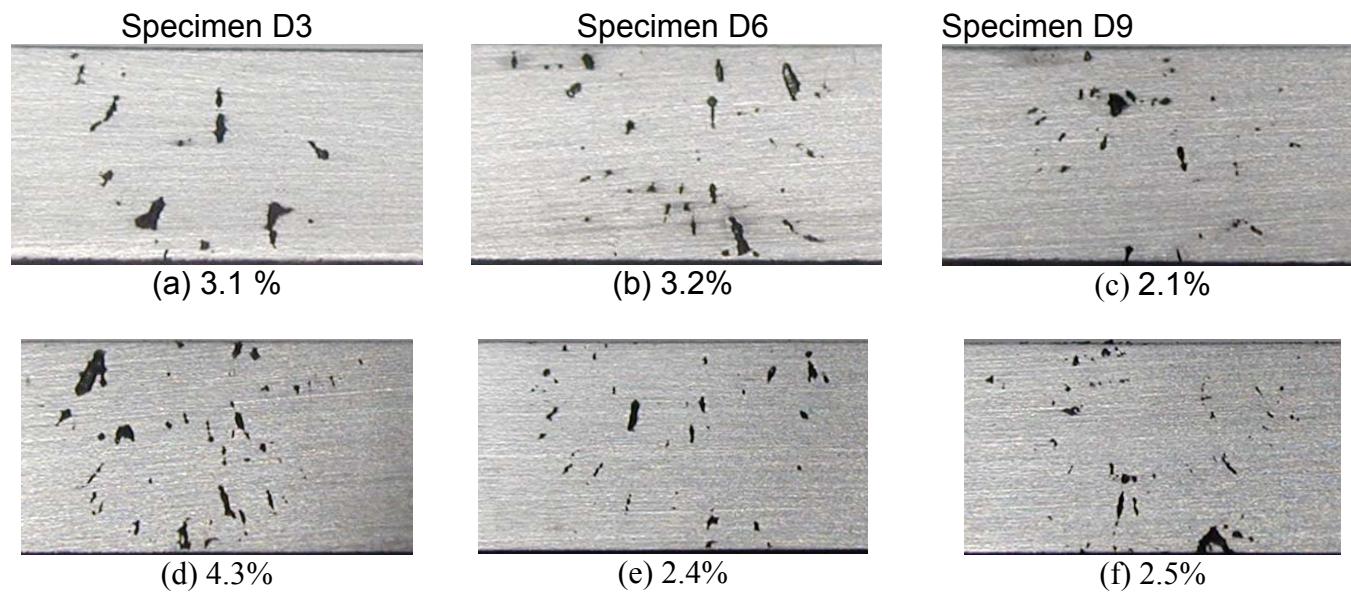


Figure F.1. Cross-section macrographs showing porosity of the V-groove wet welds deposited with E6013 electrode at 50 and 100 m.

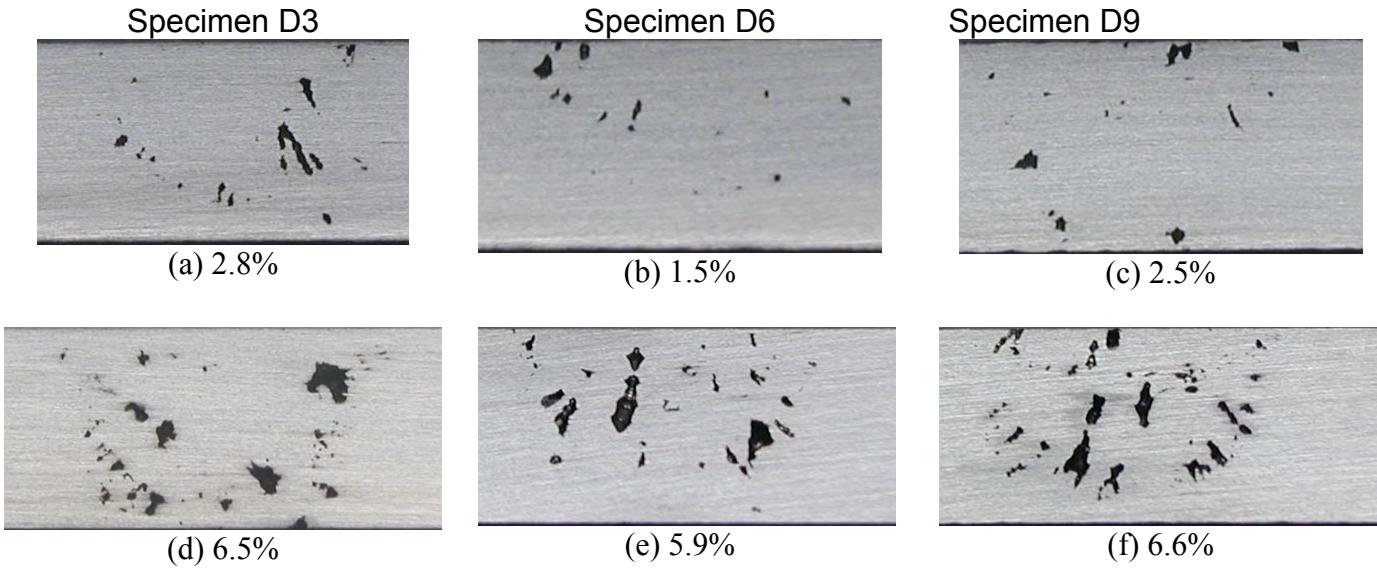


Figure F.2. Cross-section Macrographs showing porosity of the V-groove wet welds deposited with E7024 electrode at 50 and 100 m.

F.1.2 On A572 Gr. 50 Steel

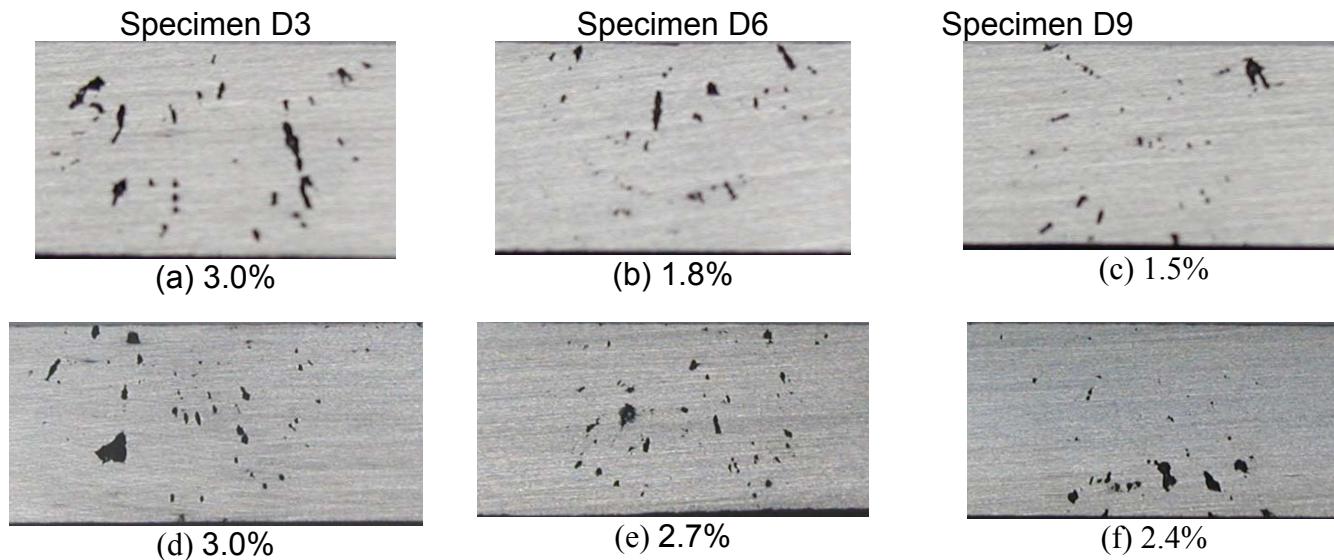


Figure F.3. Cross-section Macrographs showing porosity of the V-groove wet welds deposited with E6013 electrode at 50 and 100 m.

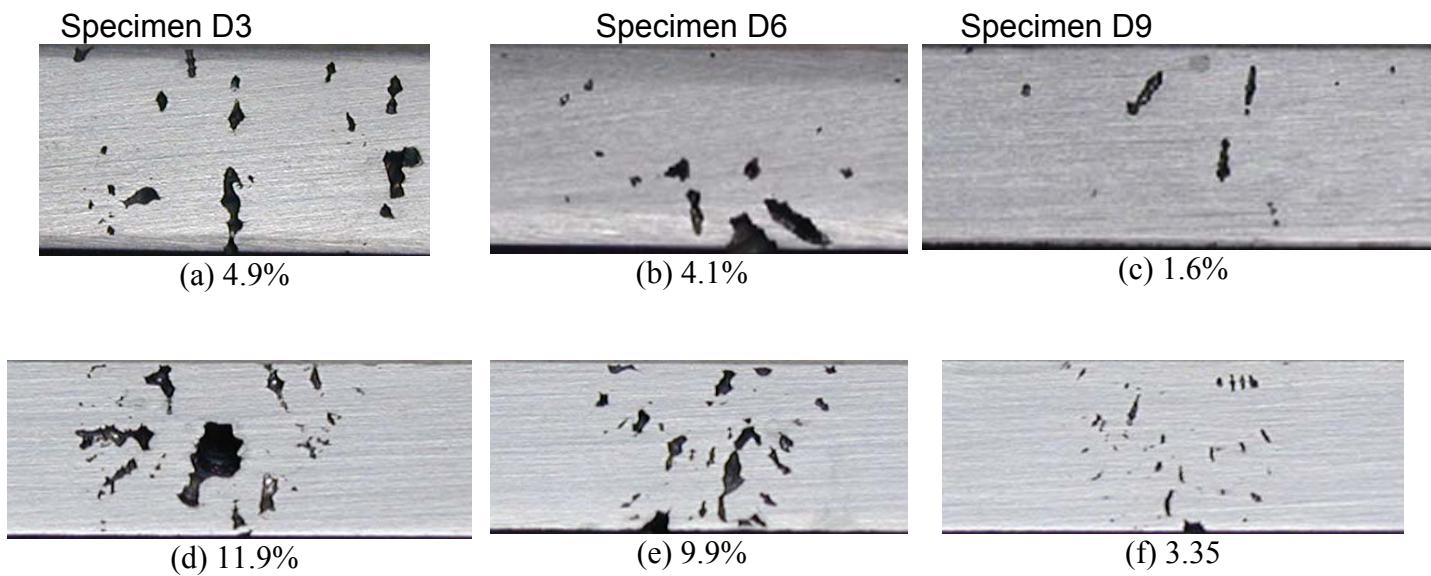


Figure F.4. Cross-section Macrographs showing porosity of the V-groove wet welds deposited with E7024 electrode at 50 and 100 m.

F.1.3 On API 5L Gr. B

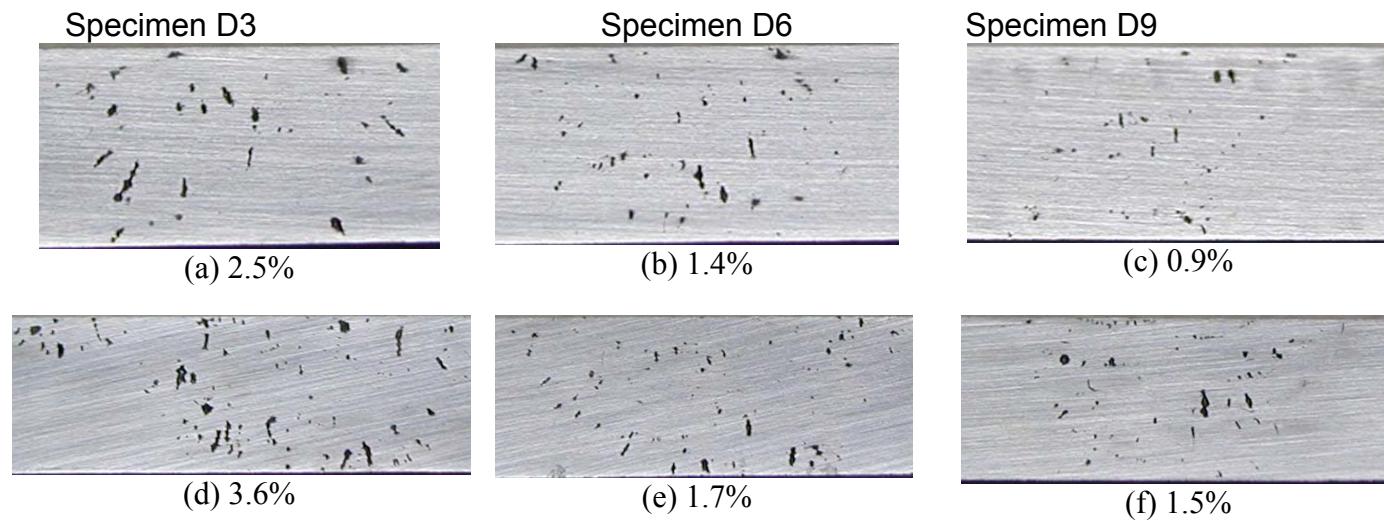


Figure F.5. Cross-section Macrographs showing porosity of the V-groove wet welds deposited with E6013 electrode at 50 and 100 m.

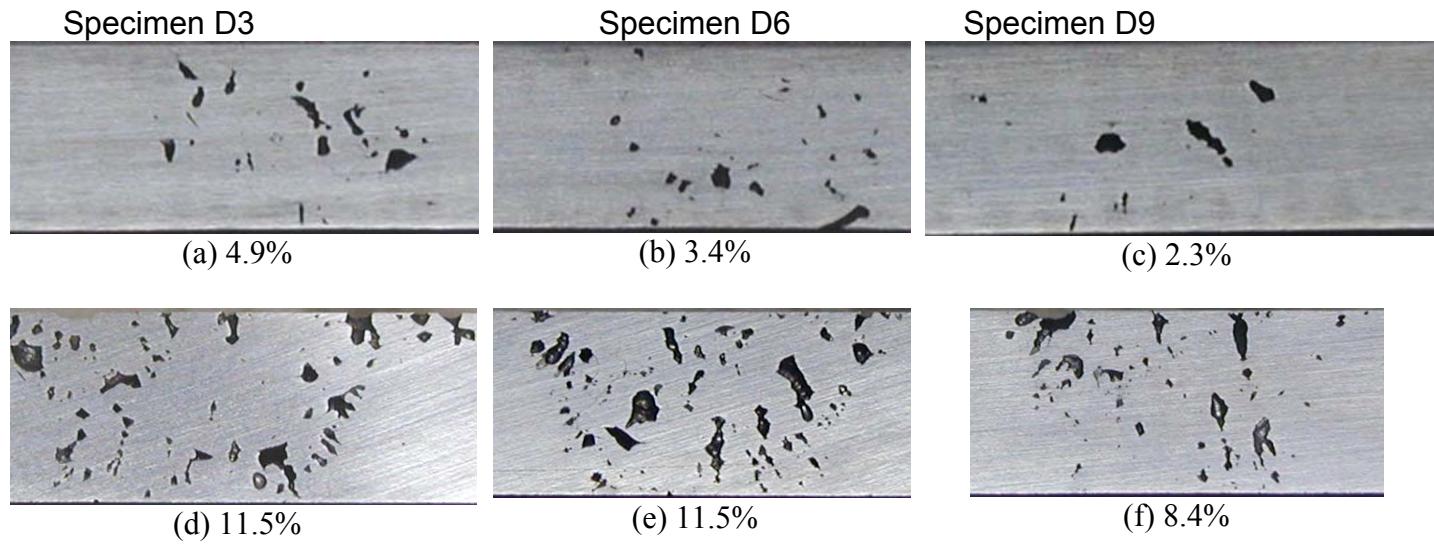


Figure F.6. Cross-section Macrographs showing porosity of the V-groove wet welds deposited with E7024 electrode at 50 and 100 m.